

# Joel F Destino

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

562  
citations

840776

11  
h-index

839539

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

810  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Printed Transparent Glass. <i>Advanced Materials</i> , 2017, 29, 1701181.	21.0	177
2	3D Printed Optical Quality Silica and Silica-Titania Glasses from Sol-Gel Feedstocks. <i>Advanced Materials Technologies</i> , 2018, 3, 1700323.	5.8	74
3	At-Home Colorimetric and Absorbance-Based Analyses: An Opportunity for Inquiry-Based, Laboratory-Style Learning. <i>Journal of Chemical Education</i> , 2020, 97, 2960-2966.	2.3	53
4	Growth mechanism of largescale MoS <sub>2</sub> monolayer by sulfurization of MoO <sub>3</sub> film. <i>Materials Research Express</i> , 2016, 3, 075009.	1.6	42
5	Predicting Nanoparticle Suspension Viscoelasticity for Multimaterial 3D Printing of Silica-Titania Glass. <i>ACS Applied Nano Materials</i> , 2018, 1, 4038-4044.	5.0	39
6	Additive Manufacturing of Optical Quality Germania-Silica Glasses. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6736-6741.	8.0	39
7	Spectroscopic Characteristics of Carbon Dots (C-Dots) Derived from Carbon Fibers and Conversion to Sulfur-Bridged C-Dots Nanosheets. <i>Applied Spectroscopy</i> , 2015, 69, 1082-1090.	2.2	24
8	Two-Dimensional Graphene as a Matrix for MALDI Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1963-1966.	2.8	24
9	Subsurface mechanical damage correlations after grinding of various optical materials. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	15
10	Multivariate analysis of attachment of biofouling organisms in response to material surface characteristics. <i>Biointerphases</i> , 2017, 12, 051003.	1.6	13
11	Hands-on experiences for remotely taught analytical chemistry laboratories. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1237-1244.	3.7	13
12	Influence of partial charge on the material removal rate during chemical polishing. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1566-1578.	3.8	10
13	Probing Nanoscale Chemical Segregation and Surface Properties of Antifouling Hybrid Xerogel Films. <i>Langmuir</i> , 2015, 31, 3510-3517.	3.5	8
14	Sapphire advanced mitigation process: wet etch to expose sub-surface damage and increase laser damage resistance and mechanical strength. <i>Applied Optics</i> , 2020, 59, 1602.	1.8	7
15	Robust pH-responsive group IV metal oxide functionalized porous silicon platforms. <i>Materials Letters</i> , 2016, 181, 47-51.	2.6	6
16	Students' Attitudes on Remote-Flexible Instrumental Analysis Laboratory Experiments During COVID-19. <i>Journal of Chemical Education</i> , 2022, 99, 1820-1825.	2.3	5
17	Silica-Encapsulated Germania Colloids as 3D-Printable Glass Precursors. <i>ACS Omega</i> , 2022, 7, 17492-17500.	3.5	5
18	Analytical Chemistry in Context. <i>ACS Symposium Series</i> , 0, , 83-105.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Hybrid Sol-Gel-Derived Films That Spontaneously Form Complex Surface Topographies. Langmuir, 2016, 32, 10113-10119.	3.5	2
20	Three-Dimensional pH Mapping within Model Hybrid Xerogel Thin Films. Langmuir, 2017, 33, 4119-4128.	3.5	1
21	Predictive models for grinding & polishing of various optical materials. , 2019, , .		1
22	Silica: 3D Printed Optical Quality Silica and Silica-Titania Glasses from Sol-Gel Feedstocks (Adv. Mater.) Tj ETQq0 0 Q rgBT /Overlock 10 T	5.8	0